SRDS Report No. RD-69-22, VOL. (1)

FINAL REPORT

Contract No. FA-67-WAI-129
Project No. 197-641-01R

CLIMATOLOGICAL SUMMARIES

VISIBILITIES BELOW 1/2 MILE AND CEILINGS BELOW 200 FEET

VOLUME 1

ANCHORAGE, ALASKA INTERNATIONAL AIRPORT

JUNE 1969

Prepared for
DEPARTMENT OF TRANSPORTATION
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by

U.S. DEPARTMENT OF COMMERCE
Environmental Science Services Administration
ENVIRONMENTAL DATA SERVICE
NATIONAL WEATHER RECORDS CENTER
Asheville, N.C.

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This report has been prepared by U.S. DEPARTMENT OF COMMERCE, Environmental Science Services Administration, Environmental Data Service, National Weather Records Center, Asheville, N.C. for the Systems Research and Development Service, Federal Aviation Administration, under Contract No. FA-67-WAI-129. The contents of this report reflect the views of the contractor, who is responsible for the facts and the accuracy of the data presented herein, and do not necessarily reflect the official views or policy of the FAA. This report does not constitute a standard, specification or regulation.

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INTRODUCTION

The tables contained herein have been prepared and organized for use in evaluating the cost/benefits of all weather landing systems and fog dissipation techniques. Thus, the time intervals of duration of the categories of weather are significant in determining the times of the delay, diversion or cancellation of an aircraft flight resulting from a restricted weather category. This information together with the number and types of aircraft affected by the restricted weather and the costs of a delay, diversion or cancellation combine to provide the total costs resulting from the weather restrictions.

Climatological summaries have been prepared for 41 airports. Their location and associated volume numbers are listed in Table A.

ANCHORAGE, ALASKA

INTERNATIONAL AIRPORT

Although located near sea level on the southern coast of the Alaskan mainland, Anchorage enjoys a relatively dry climate because it is situated at the northeast end of Cook Inlet and is protected from Gulf of Alaska storms by the Chugach Mountain Range, which rises abruptly to an elevation of 4,000 to 5,000 feet less than 10 miles east and southeast of the airport. The mighty Alaska Mountain Range, with an average elevation of 8,000 to 10,000 feet and with peaks above 18,000 feet (Mt. McKinley 20,300), lies in a long arc from south west through northwest to northeast, approximately 100 miles distant from Anchorage.

Cook Inlet divides into two arms at Anchorage, with Turnagain Arm extending roughly 45 miles east-southeastward to Portage, and Knik Arm extending north-northeastward 18 miles, then east-northeastward an additional 12 miles to the mouth of the Knit River. The surface water temperature in the Upper Inlet varies from 31° F. in midwinter (considerable floating ice is present) to about 50° in late summer.

The fog season begins about October 10 and ends in early March. Visibilities in the fog are generally less than a mile and frequently less than 1/2 mile. Fog associated with surface temperatures near or above freezing ("warm air" fog) is the most common type during the early (October 10 to about November 10) fog season. In most cases such warm air fog forms following a period of precipitation, usually within 6 to 12 hours after the precipitation ends. After November 10, fog is normally associated with surface temperatures colder than 25° F. and is termed "cold air fog; this type of fog is usually associated with light low level winds and relatively dry air aloft. A light flow of cold continental air over the airport from any quadrant except east has had some over-water travel. The height of the fog layer top varies from 70 feet to as much as 2000 feet; although the average is between 500 and 1000 feet.

The tables in this publication are based on the period January 1, 1956-December 31, 1965. Ceilometer measurements of ceiling height were made for the entire period. Transmissometer (500 ft. baseline) was commissioned on runway 06 August 17, 1956, relocated November 2, 1960. Location of the airport weather station, its elevation, and the height of wind instrumentation during the period were as follows:

From	To	Lat. N.	Long. W.	Height of Wind Instrument Feet above ground	Station Elevation Feet above MSL
1- 1-56	3- 2-61	61° 10'	149° 59'	41	90
3- 3-61	3-27-64	61° 10'	149° 59'	22	90
3-28-64	12-31-65	61° 10'	150° 01'	22	114

NATURE OF DATA

The data used in the preparation of the climatological tables were extracted from 10 years of WBAN 10-A forms from January 1956 through December 1965. There were two exceptions: The data for Dulles International covered the period January 1963 through December 1965 and for Kansas City-Mid-Continent the period July 1957 through December 1965. All data (Record, Special, Local, Check observations)* were recorded on punched cards to the hour and minute whenever a change occurred in the ceiling, surface visibility, present weather, runway visual range or runway visibility during the time the ceiling was less than 200 feet and/or the surface visibility was less than 1/2 mile. The observation which ended a category of the above conditions was punched and if this observation was not a Record observation, the next Record observation was punched. The elements transcribed were: the time in hours and minutes, ceiling, surface visibility, tower visibility, present weather, temperature, dewpoint, surface wind, altimeter setting and remarks concerning runway visual range and runway visibility.

These data should prove to be a valuable source for additional studies where low visibilities are considered.

Runway visual range (RVR) is the operational weather criteria for airport landing systems. The limits of visibility conditions for categories of aircraft operations are presented in Table B. Only Cat. II criteria are currently operational. Because RVR as such, is not available on a uniform basis for the station and period of record under study, visibilities and ceilings were used for delineating categories of weather minimums for landing and take-off operations. The determination of RVR would require:

1. The light setting of the edge lights,
2. the background lighting,
3. the location with respect to runway,
4. a special analyzer to integrate the transmissiometer readings etc.

This information has not often been recorded with the transmissiometer data.

* Except Kansas City - Mid-Continent. Only Record (hourly) observations were taken during the period of record at this station; 16 hours per day (0700-2200) through November 1957 and 24 hours per day December 1957 through December 1965.

EXPLANATION OF TABLES

All the tables of climatological summaries except Table I are based on the reported visibilities of less than 1/2 mile and/or ceilings less than 200 feet.

The tables of climatological summaries in these publications include:

(1) reported visibility and ceiling values versus time intervals of duration.

(2) weather categories of aircraft landing systems based on their relationship to ceiling and visibility as presented in Table C, versus intervals of duration. This is Table X only.

(3) percentage frequency of wind direction versus wind speed for each category of aircraft landing system using the relationship of Table C for Record observations only. These are presented for 13 stations only. This is Table XI only.*

(4) weather categories of landing systems based on their relationship to ceilings and visibility as presented in Table E, versus intervals of duration. These tables are also summarized on the basis of wind speed and temperature values.

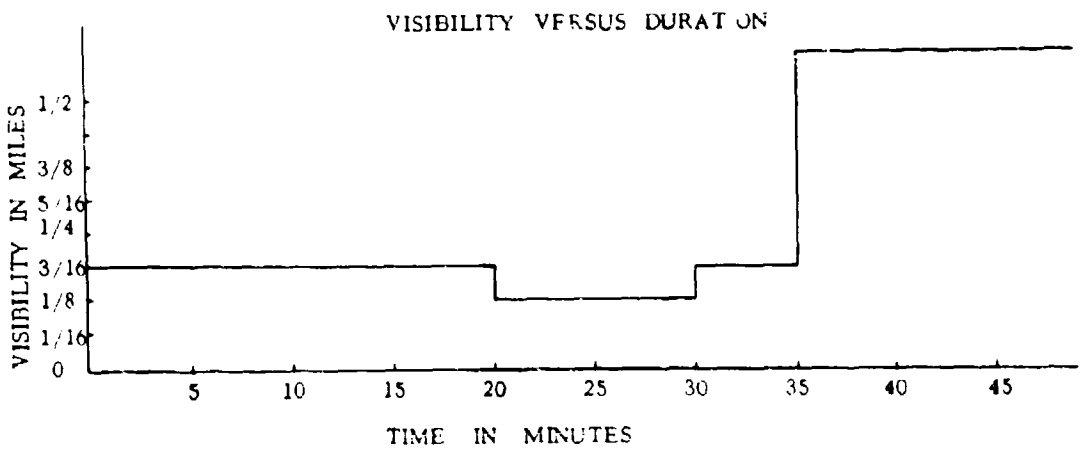
* These stations are:
Los Angeles International, Oakland International, Chicago O'Hare, San Francisco International, Greater Buffalo International, Washington National, Washington Dulles International, Atlanta, Newark, New York J. F. K., Philadelphia International, New York La Guardia, Cleveland Hopkins International

REPORTED VISIBILITY AND CEILING VALUES VERSUS INTERVALS OF DURATION

Nine summaries are presented. In Tables I - V the values represent the individual incidents of specified ceiling and visibility. Thus, in Table III 3/8 mile visibility with 100 ft. ceiling occurs with a specific frequency for each interval of duration.

In Tables VI to IX, the frequency of occurrence represents visibilities for specific conditions of ceilings at or below the listed visibility. They are cumulative incidents wherein the total time at or below a certain visibility value for the ceiling value specified is considered as one incident. Thus, if in Table VII there are 172 incidents of 3/8 mile in the interval of 1-15 minutes, it represents 172 times during the 10-year period that visibilities 3/8 mile or less with ceilings 100 feet.

Another example which combines the entries in the individual and the cumulative tables is as follows: If visibility is distributed as shown in the figure, for ceiling 100 feet, if for 20 minutes the visibility was 3/16 then went to 1/8 for 10 minutes, then went to 3/16 for 5 minutes and then to greater than 1/2 mile visibility in Table III there would be 2 counts for 3/16, one under 16-30 minutes and one under 1-15 minutes; and one count for 1/8 under 1-15 minutes; whereas, in the cumulative table for visibilities at or below a given visibility with 100-foot ceilings - Table VII in the 3/8, 5/16, 1/4 and 3/16 mile categories there would be one count under 31-45 minutes (actually 35 minutes) and one count in 1/8 mile category under 1-15 minutes (actually 10 minutes).



To estimate the total time of occurrence for a particular interval of time for the period of record one multiplies the average of time period by the frequency of occurrence of the specified conditions for this time period. Thus, if visibility of 3/8 mile with ceiling 100 feet (Table III) occurred 14 times between 16-30 minutes, the estimated total time would be 14 x 23 or 322 minutes.

WEATHER CATEGORIES OF AIRCRAFT LANDING SYSTEMS VERSUS INTERVALS OF DURATION BASED ON TABLE D

A single table (Table X) based on Table C for the period of record is presented. Table C is based on the current practices relating RVR to meteorological visibilities as shown in Table D.

Table X is in three sections:

Xa. Frequency of occurrence of the landing categories versus the indicated duration intervals:

In this summary Categories II, IIIa, IIIb, and IIIc are represented by the frequency of these conditions occurring during the specified intervals.

In Category II + III the frequency represents the visibilities and ceilings at or below Category II weather, i. e., below 200 feet and/or 1/2 mile for a continuous period of time.

In Category III, the number of occurrences represent the frequency the weather was in in Category IIIa and IIIb/c i.e., observation below 1/4 mile and equal to and above 1/4 mile when the ceiling is reported as zero for a continuous period of time.

Xb. Total time in each duration versus the duration intervals in hours and tenths of hours. The entries in this table are arrived by adding the times in minutes associated with the frequencies above. These totals are converted to hours and tenths. This table also contains the percentage of time for the 10-year period of observations of specified duration intervals, i. e., 1-90, 91-all, 1-all. This table is derived by dividing the total time under each category for the specified duration interval by the total number of hours. Thus the percentage value for Category II + III the 1-all group (last column, 4th value down) represents the frequency of occurrence for the ten-year period in percent of visibility and ceilings below 1/2 mile and, or 200 feet.

Xc. Average time in each duration versus the duration intervals.

This table is derived by dividing the total time in minutes of each item in Table Xb by the frequency of occurrence in Table Xa.

WIND DIRECTION VERSUS SPEED BY PERCENTAGE FREQUENCY (Table XI)

Table XI (for 13 stations) (unnumbered on summaries) show the percentage distribution of the different categories in accordance with Table D by wind direction to 16 points versus specified speed intervals. These categories, II, IIIa and IIIb/c, are divided into 2100-0500 and 0600-2000 hour groups making a total of six sub-tables.

Only the hourly (Record) observations when Category II or below conditions exist are used in these summaries. The percentages are determined by dividing the number of hourly observations which were recorded during the entire period of record for the indicated hour group. The percentage figures can be combined to obtain percentages for the quadrants of different speed intervals.

WEATHER CATEGORIES OF LANDING SYSTEMS VERSUS INTERVALS OF DURATION BASED ON TABLE E

Nine tables XII - XXI are presented for the ten-year period. These tables are presented in three sections:

a. Frequency of occurrences of landing categories versus duration intervals:

Categories II, IIIa, IIIb, and IIIc are represented by the total time for the specified hour group that these conditions occur during the indicated intervals.

In Categories II + III the frequency represents the visibilities and ceilings at or below Category II weather e. g., below 2400 RVR. In Category III the frequency represents the visibilities at or below Category III weather e. g., below 1200 RVR.

b. Total time in each duration versus the duration intervals hours and tenths,

The entries in this table are derived by adding the time in minutes associated with the frequency above and converting them to hours and tenths.

c. Average time in each duration versus the duration intervals.

This table is derived by dividing the total time in minutes of each value in b by the corresponding frequency of occurrence in a.

In these tables, since the period of duration is the important element, each incident of weather is attributed to the hour group during which it began. Thus, if Category IIIa weather began in the 22-06 hour group and continued into the 07-13 hour group the total time is placed in the 22-06 group. It is probable, then, that the incidence of the various categories may be overestimated in the 22-06 group. The totals appearing in the all hour group, however, are correct.

The sum of Categories IIIa, IIIb, and IIIc in the all-hour groups and sometimes in the other hour groups are frequently greater than under Cat. III. This results from the addition of 5% of observations of 3/16 mile or greater with ceiling 100 feet added to Cat. IIIa, whereas, this 5% is not included in the Cat. III totals at the bottom of each table.

The difference between Cat. III totals and the sum of Cat. IIIa, IIIb, and IIIc are subtracted from the Cat. II totals for the all-hour group and appears at the end of the Cat. II line with an asterisk. This value is a better estimate of the occurrence of Cat. II weather for the 10-year period.

EXPLANATION OF TABLE E

The relationship of RVR with light setting 5 for a 500' baseline to the meteorological report of visibility, based on the information in Circular N[1/], is given in Table F. This was the basis for establishing the relationships in Table E. The use of the highest setting for the edge lights for approaches in low visibility is the current operational practice. Although the selection of some of the relationships in Table E have been somewhat arbitrary, it can be expected that the observers report of low visibilities and ceilings will be more inexact than the cut off point of these relationships.

1/ Manual of Surface Observations (WBAN). Circular N, Weather Bureau, Washington, D. C. NAVAIR 50-1D-505, July 1968 (AD672-366)

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This is one of 41 volumes of Report RD-69-22. The volumes are as follows:

VOL.	CITY	AIRPORT
1.	Anchorage, Alaska	International
2.	Atlanta, Georgia	Atlanta
3.	Baltimore, Maryland	Friendship International
4.	Birmingham, Alabama	International
5.	Boston, Massachusetts	General E. L. Logan International
6.	Buffalo, New York	Greater Buffalo International
7.	Burbank, California	Hollywood-Burbank
8.	Chicago, Illinois	O'Hare International
9.	Cincinnati, Ohio	Greater Cincinnati
10.	Cleveland, Ohio	Cleveland-Hopkins International
11.	Columbus, Ohio	Port Columbus International
12.	Dallas, Texas	Love Field
13.	Dayton, Ohio	James M. Cox Municipal
14.	Denver, Colorado	Stapleton International
15.	Detroit, Michigan	Detroit Metropolitan-Wayne County
16.	Hartford, Connecticut	Bradley International (Windsor Locks)
17.	Houston, Texas	William P. Hobby
18.	Indianapolis, Indiana	Weir Cook
19.	Kansas City, Missouri	Mid-Continent International
20.	Los Angeles, California	International
21.	Louisville, Kentucky	Standiford Field
22.	Miami, Florida	International
23.	Milwaukee, Wisconsin	General Mitchell Field
24.	Minneapolis, Minnesota	Minneapolis-St. Paul International
25.	Nashville, Tennessee	Metropolitan
26.	Newark, New Jersey	Newark
27.	New Orleans, Louisiana	International
28.	New York, New York	John F. Kennedy International
29.	New York, New York	La Guardia
30.	Oakland, California	Metropolitan Oakland International
31.	Philadelphia, Pennsylvania	International
32.	Pittsburgh, Pennsylvania	Greater Pittsburgh International
33.	Portland, Oregon	International
34.	Rochester, New York	Rochester-Monroe County
35.	St. Louis, Missouri	Lambert-St. Louis Municipal
36.	Salt Lake City, Utah	Municipal No. 1
37.	San Francisco, California	International
38.	Seattle, Washington	Seattle-Tacoma International
39.	Syracuse, New York	Clarence E. Hancock
40.	Washington, D. C.	Dulles International
41.	Washington, D. C.	National

TABLE A

LIMITS OF LANDING CATEGORIES

* CAT. II Operations down to minima below 200 feet decision height and 2400 RVR and to as low as 100 feet decision height and 1200 RVR.

** CAT. IIIA Below 100 feet decision height and 1200 RVR and to as low as 50 feet decision height and 700 RVR.

** CAT. IIIB Below 700 RVR to 150 RVR.

** CAT. IIIC No external visual reference.

TABLE B

* Current operational criteria
** Criteria not firm, used for planning purposes

CEILING AND VISIBILITY EQUIVALENTS FOR CATEGORIES
OF AIRCRAFT LANDING OPERATIONS CURRENT PRACTICE
CRITERIA for Table X and XI

Category II:	Visibility = 1/2 and ceiling = 100
	Visibility = 3/8 and ceiling ≠ 0
	Visibility = 5/16 and ceiling ≠ 0
	Visibility = 1/4 and ceiling ≠ 0
Category III-a:	Visibility = 1/4 and ceiling = 0
	Visibility = 3/16 and all ceilings
	Visibility = 1/8 and all ceilings
Category III-b/c:	Visibility = 1/16 and all ceilings
	Visibility = 0 and all ceilings
Category III:	The sum of IIIa, IIIb, and IIIc

TABLE C

RVR VERSUS VISIBILITY (Current Practice)

METEOROLOGICAL VISIBILITY	RVR EQUIVALENT
Statute Miles (feet)	Feet
3/16 (990 feet)	1200
* 1/4 (1320 feet)	1600
* 1/2 (2640 feet)	2400

TABLE D

* United States Standard for Terminal Instrument Procedures (TERPs), Federal Aviation Agency, September 1966.

CEILING AND VISIBILITY EQUIVALENTS FOR
CATEGORIES OF AIRCRAFT LANDING OPERATIONS
Criteria for Tables XII-XXI

	Equivalent Meteorological Observations
Category II Below 2400 ft. RVR to 1200 ft. RVR	All observations with visibilities greater than 3/8 mile with ceiling 100 feet. All observations of 3/8 mile with ceiling not equal to zero. All observations of 5/16 mile with ceiling not equal to zero. All observations of 1/4 mile with ceiling not equal to zero. All observations of 3/16 mile with ceiling not equal to zero.
Category III Category IIIa Below 1200 ft. RVR to 700 ft. RVR	All observations of 1/8 mile. All observations of 3/16 mile or greater with zero ceiling. 5% of observations of 3/16 mile or greater with ceiling 100.
Category IIIb Below 700 ft. RVR to 150 ft. RVR	All observations of 1/16 mile. 50% of all observations of zero miles.
Category IIIc Below 150 ft. RVR	50% of observations of zero miles.

TABLE E

RVR VERSUS METEOROLOGICAL VISIBILITY

Circular N

Reported Meteorological Visibilities Miles (feet)	RVR (500 ft. baseline) at Setting 5 Day	Night	Category
0 (less than 330 feet)	*	*	(IIIc and IIIb)
1/16 (330 feet-650 feet)	*	*	(IIIb)
1/8 (660 feet-980 feet)	1000-1400	*	(IIIb and IIIa)
3/16 (990 feet-1310 feet)	1400-1800	1200-1800	(Cat. II)
1/4 (1320 feet-1640 feet)	1800-2200	1800-2200	(Cat. II)

* No determination of RVR with respect to meteorological visibility.

TABLE F

ANCHORAGE INTERNATIONAL

FREQUENCY OF OCCURRENCE OF NATION WIDE CATEGORIES OF VISIBILITIES JANUARY 1956 - DECEMBER 1965

TABLE I, VISIBILITY 2 1/2 MILE WHEN CEILING 4 200 FEET.

DURATION IN MINUTES											
1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
46	33	17	7	9	1	1				

TABLE II, VIRRESPECTIVE OF CEILING).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	128	98	20	11	6	1	1				
5/16	94	49	19	2	4	2	1				
1/4	399	196	46	42	42	17	15	4	3	1	
3/16	71	40	23	13	10	6		2			
1/8	141	128	44	34	42	29	20	15	1	3	
1/16	32	32	25	11	14	8	2	3	1		
0	7	3	4						1		

TABLE III, (CEILING 100 FEET).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	1	1									
5/16	7	3	3	1							
1/4	11	10	5	2	6						
3/16	10	5	2	2	1	2					
1/8	28	19	11	5	7	3	3	1			
1/16	15	5	4		4	1					
0	1										

TABLE IV, (CEILING ZERO).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	1	1									
5/16		1									
1/4	4	3	2								
3/16	2		1	1							
1/8	14	9	4		1	2	1				
1/16	5	4	4	3	2						
0	4	1	2								

TABLE V, (CEILING 100 FEET OR ZERO).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	4	4									
5/16	7	4	3	1							
1/4	35	22	7	3	6						
3/16	12	9	3	3	1	2					
1/8	34	24	15	3	9	7	3	1			
1/16	18	8	11	3	6	1					
0	5	1	2								

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT
TABLE VI, (IRRESPECTIVE OF CEILING).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	142	133	108	61	102	61	77	36	33	11	7
5/16	124	110	4	65	94	53	74	37	28	10	7
1/4	108	112	46	57	91	54	63	35	28	9	6
3/16	77	77	54	35	51	43	34	26	15	4	2
1/8	62	76	52	31	42	34	32	21	8	4	1
1/16	23	17	10	8	10	8	2	5	1		1
0	8	3	2			1			1		

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT
TABLE VII, (CEILING 100 FEET).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	38	25	23	9	10	11	6	2	1		
5/16	38	23	23	10	10	11	6	2	1		
1/4	39	20	21	9	17	13	4	2	1		
3/16	31	17	15	9	13	11	1	1	1		
1/8	27	17	13	6	12	9	1	2			
1/16	11	4	6	1	3	4					
0	1										

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT
TABLE VIII, (CEILING ZERO).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	16	8	8	6	4	4	2				
5/16	15	7	8	6	4	4	2				
1/4	15	6	8	6	4	4	2				
3/16	13	5	10	6	4	4	1				
1/8	15	4	9	3	5	3	1				
1/16	7	4	4	2	3	1					
0	4	1	2								

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT
TABLE IX, (CEILING 100 FEET OR ZERO).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	36	29	21	16	22	18	9	3	1		
5/16	35	27	22	16	21	18	9	3	1		
1/4	35	24	20	15	20	21	6	3	1		
3/16	31	18	18	13	15	18	4	1	1		
1/8	28	17	17	9	15	15	3	2			
1/16	16	7	10	3	6	2	1				
0	5	1	2								

ANCHORAGE, INTERNATIONAL

FREQUENCY OF INTERVALS OF DURATION VERSUS CATEGORIES OF VISIBILITIES JANUARY 1956 - DECEMBER 1965

TABLE I. VISIBILITY ≥ 1/2 MILE WHEN CEILING < 200 FEET.

DURATION IN MINUTES										
1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
46	35	17	7	9	1	1				

TABLE II. (IRRESPECTIVE OF CEILING).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	138	58	20	11	6	1	1				
5/16	94	49	19	2	9	2	1				
1/4	355	196	89	42	42	17	13	4	3	1	
3/16	81	48	23	15	10	6		2			
1/8	141	120	53	34	42	29	20	10	1	3	
1/16	32	32	26	11	16	8	2	3	1		
0	7	3	4						1		

TABLE III. (CEILING 100 FEET).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	3	3									
5/16	7	3	3	1							
1/4	31	18	5	3	6						
3/16	10	3	3	2	1	2					
1/8	28	19	11	3	7	6	2	1			
1/16	19	9	6		6	1					
0	1										

TABLE IV. (CEILING ZERO).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	1	1									
5/16		1									
1/4	6	3	2								
3/16	2		1	1							
1/8	14	3	4		1	2	1				
1/16	5	4	4	3	2						
0	4	1	2								

TABLE V. (CEILING 100 FEET OR ZERO).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	4	4									
5/16	7	4	3	1							
1/4	35	22	7	3	6						
3/16	12	5	3	3	1	2					
1/8	34	24	15	3	9	7	3	1			
1/16	18	8	11	3	6	1					
0	5	1	2								

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT
TABLE VI. (IRRESPECTIVE OF CEILING).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	142	135	108	61	102	61	77	36	33	11	7
5/16	120	130	94	60	94	53	76	37	28	10	7
1/4	108	112	98	57	91	54	65	35	28	9	6
3/16	77	77	54	38	51	43	34	26	15	4	2
1/8	68	76	52	31	42	39	32	21	8	4	1
1/16	23	17	19	8	10	9	2	3	1		1
0	6	3	2			1			1		

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT
TABLE VII. (CEILING 100 FEET).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	38	25	23	9	19	11	6	2	1		
5/16	36	23	23	10	18	11	6	2	1		
1/4	39	20	21	9	17	13	4	2	1		
3/16	31	17	15	9	15	11	1	1	1		
1/8	27	17	13	6	12	8	1	2			
1/16	11	4	6	1	3	2					
0	1										

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT
TABLE VIII. (CEILING ZERO).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	16	8	8	6	6	4	2				
5/16	15	7	8	6	4	4	2				
1/4	15	6	8	6	4	4	2				
3/16	13	9	10	6	4	4	1				
1/8	15	6	9	3	3	3	1				
1/16	7	4	6	2	3	1					
0	4	1	2								

TOTAL TIME AT OR BELOW EACH VISIBILITY CLASSED AS ONE INCIDENT
TABLE IX. (CEILING 100 FEET OR ZERO).

VISIBILITY	DURATION IN MINUTES										
	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+
3/8	36	29	21	16	22	18	9	3	1		
5/16	35	27	22	16	21	18	9	3	1		
1/4	35	24	20	15	20	21	6	3	1		
3/16	31	18	18	13	15	18	4	1	1		
1/8	28	17	17	9	15	15	3	2			
1/16	16	7	10	3	6	2	1				
0	5	1	2								

TABLE X

ANCHORAGE, INTERNATIONAL

ALL SEASONS

ALL HOURS

JANUARY 1956 - DECEMBER 1965

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	429	269	141	71	67	26	23	7	5	1		977	62	1039
IIIA	169	142	67	51	55	54	27	10	5	3		484	79	563
IIIB/C	37	28	26	7	19	9	2	3	1	1		117	16	133
II + III	161	156	116	66	101	60	81	30	34	12	7	600	233	833
III	113	109	72	53	60	53	32	20	11	9	1	407	120	527

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														PERCENTAGE		
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	1-90	91-ALL	1-ALL
II	69.7	102.3	88.0	62.7	81.0	44.2	54.6	23.7	23.3	6.2		403.7	151.9	555.6	.46	.17	.63
IIIA	30.1	54.8	42.3	45.3	68.0	58.6	67.2	36.1	22.0	19.9		240.5	203.8	444.3	.27	.23	.51
IIIB/C	7.5	11.2	16.5	6.3	23.7	15.6	9.0	9.8	4.8	7.8		65.1	43.1	108.2	.07	.05	.12
II + III	27.9	59.3	73.9	58.8	122.3	103.9	197.0	136.1	165.1	86.2	77.6	342.1	766.0	1108.0	.39	.87	1.26
III	20.4	41.2	45.4	47.2	74.5	91.6	79.5	70.2	53.5	19.9	9.1	228.6	323.8	552.4	.26	.37	.63

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.0	22.1	37.4	53.0	72.6	101.9	142.3	203.4	279.4	372.0		24.8	147.0	32.1
IIIA	10.7	23.2	37.9	53.3	74.2	103.4	149.4	216.6	263.4	398.3		29.8	154.7	47.3
IIIB/C	12.2	23.9	38.0	53.7	74.8	104.0	149.5	196.7	290.0	468.0		33.4	161.4	48.8
II + III	10.4	22.8	38.2	53.5	72.6	103.9	145.9	209.4	291.4	430.9	665.3	34.2	197.2	79.8
III	10.8	22.7	37.8	53.4	74.5	103.7	149.1	210.7	291.5	398.3	549.0	33.7	161.9	62.9

TOTAL OBSERVATION HOURS 87672

ANCHORAGE, INTERNATIONAL

NO WIND TABLES FOR THIS STATION

ANCHORAGE, INTERNATIONAL

TABLE III - ALL CONDITIONS.

0700 - 1300 (29571 OBSERVATION HOURS) JANUARY 1956 - DECEMBER 1965

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	104	97	49	18	24	3	3	2	1	1		392	10	382
IIIA	58	91	20	10	15	9	5	2				194	16	170
IIIB	12	14	11	3	3	2	1	1				43	4	47
IIIC	2		1									3		3
II + III	74	93	35	19	36	13	17	10	7	2	1	217	30	267
III	37	36	20	11	19	18	8	4	1			123	29	152

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	26.0	36.7	30.3	16.1	29.8	5.2	6.9	7.3	4.8	6.2		138.9	29.9	168.8
IIIA	10.1	19.3	12.4	9.1	18.0	15.8	12.0	6.3				87.4	34.3	100.1
IIIB	2.1	5.9	6.7	2.7	3.5	3.4	2.8	3.0				21.0	9.2	30.3
IIIC	.2		.8									.7		.7
II + III	12.6	20.4	22.7	17.1	43.8	22.6	41.2	33.7	32.7	19.4	19.3	116.4	160.9	277.3
III	6.9	13.9	12.2	10.0	22.9	31.3	19.4	12.6	5.6			69.9	64.8	130.7

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.5	22.7	37.1	53.6	74.6	104.7	138.7	220.0	277.0	372.0		23.7	179.8	28.0
IIIA	10.4	22.9	37.2	54.8	71.9	105.6	144.0	189.5				26.2	128.8	35.3
IIIB	10.4	25.2	36.3	53.3	70.0	102.5	167.0	182.0				29.3	138.5	38.6
IIIC	6.8		45.0									14.4		14.4
II + III	10.2	23.1	38.9	54.0	72.6	104.4	148.9	202.2	280.1	481.0	920.0	32.2	193.0	62.3
III	11.1	23.1	36.7	54.5	72.4	104.2	139.9	180.9	339.0			32.1	134.1	91.6

1400 - 2100 (29224 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	97	54	26	18	18	9	7	4	4			173	24	197
IIIA	26	23	11	8	9	6	9	1		3		77	19	96
IIIB	9	7	4	2	2							24		24
IIIC	1		1									2		2
II + III	33	31	26	14	16	15	14	5	8	5	4	120	91	171
III	22	19	11	7	7	6	9	3	1	3	1	66	21	87

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	8.8	20.8	16.1	19.9	21.0	19.1	16.8	13.4	20.9			82.3	65.9	148.2
IIIA	4.8	8.9	6.8	7.1	10.8	10.5	22.8	3.7		19.4		37.7	58.4	91.3
IIIB	2.1	2.8	3.0	1.7	2.7							11.8		11.8
IIIC	.3		.7									1.1		1.1
II + III	5.5	11.9	10.4	12.3	18.2	26.0	34.6	17.9	39.5	36.7	45.3	64.2	199.7	263.9
III	4.2	7.1	7.0	8.2	8.2	8.8	22.0	10.1	4.6	19.4	8.8	32.7	71.7	104.3

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1- 5	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.2	22.9	37.2	53.9	70.1	100.9	144.1	201.5	307.3			28.0	164.7	45.1
IIIA	11.1	23.3	37.2	53.0	72.0	104.7	152.1	223.0		387.7		29.4	178.1	57.2
IIIB	13.8	22.0	44.3	52.0	80.0							29.5		29.5
IIIC	15.0		43.5									34.0		34.0
II + III	10.1	22.9	37.9	52.5	68.1	103.9	148.1	214.8	296.6	440.2	679.3	32.1	234.9	92.8
III	11.4	22.9	38.2	52.9	70.1	101.9	146.6	202.0	279.0	387.7	930.0	29.7	206.7	71.9

2200 - 0600 (32877 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	139	125	74	38	93	19	21	9	4			429	93	482
IIIA	58	63	25	25	20	16	10	7	1			191	34	225
IIIB	14	12	12	6	11	6	1	2	1			55	10	65
IIIC	1	2	1						1			4	1	5
II + III	54	72	55	33	49	32	50	24	19	5	2	263	132	395
III	45	45	31	24	24	29	15	8	4			169	56	225

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	28.5	48.1	46.6	33.9	60.0	32.0	49.4	30.2	17.1			197.0	128.6	325.6
IIIA	11.0	25.2	19.9	22.3	29.0	27.6	25.3	26.8	4.2			98.8	79.0	176.0
IIIB	3.1	4.8	7.7	5.4	13.4	10.3	2.2	1.8	4.7			34.3	23.9	59.4
IIIC	.2	.8	.7						4.4			1.8	4.4	4.8
II + III	9.7	27.0	34.7	29.8	60.5	55.4	121.3	84.5	93.2	34.1	17.0	161.5	409.4	566.9
III	8.3	17.9	19.5	21.3	29.9	49.8	38.8	28.2	19.8			96.8	133.6	230.4

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	10.8	23.1	37.8	53.5	72.7	100.9	141.0	201.0	256.9			27.6	145.8	40.5
IIIA	11.4	24.0	38.1	53.9	75.1	105.6	140.0	212.3	257.0			31.0	141.1	46.9
IIIB	13.1	22.8	38.3	54.0	73.3	102.7	132.0	204.0	280.0			37.4	143.6	54.8
IIIC	12.0	24.3	42.0						286.0			23.2	286.0	97.9
II + III	10.8	22.5	37.9	53.6	74.1	103.8	145.9	211.5	296.2	409.6	510.0	36.8	184.3	86.1
III	11.1	23.9	37.7	53.1	74.7	103.1	143.1	211.9	296.8			34.4	143.1	61.4

ALL (87672 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	380	276	149	74	75	31	31	15	9	1		954	87	1041
IIIA	142	136	55	41	42	30	22	10	1	3		416	66	482
IIIB	35	33	28	11	16	8	3	3	1			123	14	137
IIIC	4	2	2						1			8	1	9
II + III	161	158	116	66	101	60	81	39	34	12	7	600	233	833
III	104	100	62	42	50	31	30	15	6	3	1	350	100	464

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	63.2	105.3	93.1	65.9	90.8	52.3	72.7	50.9	42.2	6.2		418.3	224.4	642.7	636.00
IIIA	25.9	53.3	34.3	36.8	91.4	52.3	55.6	34.9	4.2	19.4		201.2	164.4	365.2	
IIIB	7.2	13.0	18.0	9.8	19.6	19.7	5.0	9.8	4.7			97.3	33.2	102.4	
IIIC	.6	.8	1.5						4.4			2.9	4.4	5.9	
II + III	27.9	59.3	73.9	58.8	122.3	103.9	197.0	136.1	169.1	86.2	77.6	342.1	766.8	1108.8	
III	19.3	38.9	38.7	37.4	61.0	87.9	73.1	50.9	30.0	19.4	8.8	199.4	270.8	465.4	

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	10.0	22.9	37.5	53.4	72.7	101.8	140.7	203.7	281.3	372.0		26.3	194.7	37.0
IIIA	10.9	23.5	37.6	53.9	73.5	104.5	146.2	209.6	252.0	387.7		29.0	149.8	45.2
IIIB	12.4	23.7	38.6	53.5	73.5	102.6	149.9	196.7	280.0			32.9	142.1	44.0
IIIC	9.4	24.3	43.5						286.0			22.4	286.0	38.0	
II + III	10.4	22.8	38.2	53.5	72.6	103.9	145.9	209.4	291.4	430.9	665.3	34.2	197.2	79.8	
III	11.1	23.4	37.5	53.5	73.2	103.4	144.2	203.5	299.5	387.7	930.0	32.7	192.8	66.2	

ANCHORAGE, INTERNATIONAL

TABLE XIII - TEMPERATURE < 33 DEGREES (F), JANUARY 1956 - DECEMBER 1965

0700 - 1300 (25571 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	145	79	40	17	21	2	3	2	1			302	8	310
IIIA	53	47	20	8	14	9	5	2				142	16	158
IIIB	12	13	8	3	3	2	1	1				39	4	43
IIIC	2		1									3		3
II + III	62	40	30	18	32	13	17	8	8		1	182	47	229
III	33	33	19	10	18	17	9	4	1			119	27	146

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	22.9	29.6	24.9	15.2	25.7	3.3	6.5	7.3	4.6			110.3	22.0	140.2
IIIA	9.2	18.0	12.4	7.2	16.6	15.8	12.0	6.5				61.9	34.3	96.6
IIIB	2.1	5.5	4.8	2.7	3.5	3.4	2.8	5.0				18.7	9.2	28.0
IIIC	.2		.8									.7		.7
II + III	10.5	15.4	19.5	16.4	38.8	22.6	41.2	27.3	36.9		19.9	100.6	143.3	243.9
III	8.2	12.8	11.7	9.0	21.6	29.7	18.7	12.6	9.6			61.9	60.9	121.8

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.5	22.5	37.4	53.7	73.3	104.0	130.7	220.0	277.0			23.9	164.0	27.1
IIIA	10.5	23.0	37.2	54.0	71.3	105.6	144.0	199.5				26.1	128.6	35.9
IIIB	10.4	25.2	35.9	53.3	70.0	102.5	167.0	182.0				28.8	138.5	39.0
IIIC	6.8		45.0									14.4		14.4
II + III	10.2	23.0	39.0	54.6	72.8	104.4	148.3	204.8	276.8		920.0	33.2	183.0	63.9
III	11.2	23.3	37.0	54.0	71.9	104.6	152.0	189.3	335.0			32.5	134.5	52.2

1400 - 2100 (29224 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	52	48	26	17	18	8	6	5	1			161	18	179
IIIA	22	23	11	8	8	6	8	1		3		72	18	90
IIIB	8	8	4	2	2							22		22
IIIC	1		1									2		2
II + III	29	26	26	15	16	14	14	9	6	4	3	112	46	158
III	20	19	11	7	6	9	9	3	1	3	1	63	22	85

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	8.1	18.4	16.1	15.1	20.8	13.5	14.3	10.3	9.5			78.4	43.5	122.0
IIIA	4.0	8.9	6.8	7.1	9.6	10.5	20.3	9.7		19.4		39.7	53.9	86.7
IIIB	1.9	2.3	3.0	1.7	2.7							11.4		11.4
IIIC	.3		.7									1.1		1.1
II + III	4.9	9.9	16.4	13.2	18.0	24.6	34.5	17.9	29.4	29.3	35.9	62.4	171.5	233.9
III	3.9	7.1	7.0	6.2	7.0	8.4	22.0	10.1	4.6	19.4	8.8	31.2	73.2	104.4

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.3	23.0	37.2	53.1	69.4	101.1	143.0	205.7	327.0			29.2	143.1	40.9
IIIA	11.0	23.3	37.2	53.0	71.9	104.7	152.3	223.0		387.7		29.8	179.6	39.1
IIIB	14.5	22.5	44.3	52.0	80.0							31.0		31.0
IIIC	15.0		43.5									34.0		34.8
II + III	10.1	22.9	37.9	52.9	67.3	105.2	147.8	214.8	294.8	438.8	717.7	33.4	223.7	88.8
III	11.7	22.5	38.2	52.9	69.7	100.8	146.6	202.0	279.0	387.7	930.0	29.7	199.9	73.7

2200 - 0600 (92877 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	129	99	60	30	27	20	16	7	3			345	46	391
IIIA	45	49	24	17	18	14	8	6	1			193	29	182
IIIB	12	10	10	5	10	4	1	2	1			47	8	55
IIIC	1	1	1						1			3	1	4
II + III	39	55	44	26	39	28	39	19	16	9	2	203	109	312
III	34	35	28	18	22	29	10	7	4			135	46	181

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	22.9	37.4	38.1	28.8	33.0	33.7	38.0	23.5	12.7			198.2	107.8	266.1
IIIA	8.6	19.8	15.2	15.3	22.6	24.5	18.2	21.3	4.2			80.5	68.0	148.0
IIIB	2.6	4.0	6.6	4.8	12.0	6.6	2.2	6.8	4.7			29.8	20.2	91.4
IIIC	.2	.4	.7						4.4			1.1	4.4	4.8
II + III	7.0	20.9	27.8	23.2	48.8	48.3	93.9	67.5	79.2	34.1	17.0	127.5	340.0	467.5
III	6.2	14.1	17.5	14.5	27.3	43.2	23.4	24.7	19.8			79.6	111.1	190.7

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	10.7	22.7	38.1	53.5	73.3	101.1	142.5	201.7	253.3			27.5	140.7	40.8
IIIA	11.4	24.2	38.0	54.1	75.2	104.8	136.1	213.0	232.0			31.6	140.8	48.1
IIIB	12.8	23.9	39.3	55.2	71.7	98.5	132.0	204.0	280.0			38.1	151.0	50.1
IIIC	12.0	21.5	42.0						266.0			21.8	266.0	62.5
II + III	10.8	22.4	37.9	53.5	73.1	103.4	144.5	213.1	297.1	409.6	510.0	37.6	187.2	69.9
III	11.0	24.2	37.5	54.3	74.4	103.0	140.9	211.7	296.0			39.4	144.8	63.2

ALL (87672 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	326	226	126	64	66	30	29	12	5			808	72	880
IIIA	120	118	53	31	38	28	20	9	1	3		360	61	421
IIIB	32	29	23	10	15	6	2	3	1			109	12	121
IIIC	4	1	2						1			7	1	8
II + III	130	121	100	59	87	58	70	32	30	9	4	497	202	699
III	87	87	58	33	46	47	24	14	6	3	1	311	93	404

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	53.9	85.4	79.2	57.0	79.5	50.6	58.8	41.2	22.7			354.9	173.5	528.2	523.40
IIIA	21.9	46.6	33.2	27.8	46.6	49.1	48.4	31.2	4.2	19.4		179.1	152.4	323.0	
IIIB	6.6	11.7	13.0	9.0	18.1	10.0	5.0	9.8	4.7			68.4	29.5	91.3	
IIIC	.6	.4	1.5						4.4			2.6	4.4	5.2	
II + III	22.4	45.8	63.7	52.8	105.6	95.4	169.6	112.7	149.6	63.4	60.2	290.3	634.8	949.1	
III	16.3	34.1	36.2	29.6	55.8	81.2	0 58.0	47.4	30.8	19.4	8.8	172.1	244.9	418.9	

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.9	22.7	37.7	53.5	72.2	101.3	141.1	209.8	272.8			26.4	149.4	36.8
IIIA	10.9	23.6	37.6	53.7	73.3	105.1	145.1	209.8	282.8	387.7		29.2	149.9	46.3
IIIB	12.4	24.2	39.2	54.0	72.5	99.7	149.9	196.7	280.9			38.2	147.2	49.4
IIIC	9.4	21.5	42.5						266.9			21.8	266.9	39.2	
II + III	10.4	22.7	38.2	53.7	72.8	104.1	145.4	211.3	291.1	422.6	602.2	28.0	194.2	81.1	
III	11.2	23.5	37.5	53.9	72.8	103.7	149.1	209.2	299.9	387.7	930.0	28.2	194.6	61.6	

ANCHORAGE, INTERNATIONAL

TABLE XIV - TEMPERATURE < 33 DEGREES (F), WITH FOG, NO PRECIPITATION, AND WIND < 9 KNOTS.

0700 - 1300 (25571 OBSERVATION HOURS) JANUARY 1956 - DECEMBER 1965

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	119	64	38	12	15	2	1	2	1			246	6	252
IIIA	47	46	17	3	12	10	4	2				127	16	143
IIIB	8	12	7	3	3	3		1				33	4	37
IIIC	2		1									3		3
II + III	46	32	28	14	26	12	13	6	6		1	146	38	184
III	29	34	15	9	15	17	4	4	1			102	26	128

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	18.1	24.3	22.4	10.7	18.4	3.7	2.3	7.3	4.6			99.9	17.9	111.8
IIIA	8.2	17.7	10.5	4.4	14.4	17.8	9.9	6.5				54.1	34.2	88.9
IIIB	1.3	4.9	4.1	2.7	3.5	5.0		3.0				16.6	8.1	24.7
IIIC	.2		.8									.8		.8
II + III	7.5	12.6	10.3	12.9	31.9	20.9	32.8	20.0	28.9		15.1	83.1	117.5	200.6
III	5.2	13.1	9.1	8.0	18.2	29.5	9.9	12.6	5.6			53.6	97.6	151.2

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.1	22.8	37.4	53.4	73.7	111.0	137.0	220.0	277.0			22.9	179.3	26.6
IIIA	10.5	23.1	37.1	52.4	71.8	107.0	148.3	193.5				25.6	128.1	36.4
IIIB	9.8	24.6	34.7	53.3	70.0	100.7		182.0				30.2	121.0	40.0
IIIC	6.7		45.0									16.3		16.3
II + III	9.7	23.6	39.3	55.1	73.7	104.7	151.2	200.0	284.9		920.0	34.2	188.5	69.4
III	10.8	23.1	36.3	53.3	72.7	104.1	148.9	189.3	339.0			31.5	132.8	92.1

1400 - 2100 (29224 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	33	44	21	17	16	7	7	3				131	17	148
IIIA	22	18	9	8	10	5	7	1		3		67	16	83
IIIB	8	6	4	2	2							22		22
IIIC	1		1									2		2
II + III	14	23	20	15	17	14	16	6	5	3	3	89	47	136
III	19	15	9	7	9	4	8	3	1	3	1	59	20	79

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	5.4	16.5	13.3	15.0	18.8	11.8	16.9	9.8				68.8	38.5	107.4
IIIA	3.9	8.9	5.5	7.0	12.3	8.9	17.4	3.7		19.4		34.9	49.4	84.3
IIIB	1.9	2.3	3.0	1.7	2.7							11.4		11.4
IIIC	.3		.7									1.1		1.1
II + III	2.8	8.4	12.9	13.2	19.8	24.2	40.2	21.9	24.8	21.5	34.5	96.8	167.1	223.9
III	3.6	5.6	5.6	6.2	11.0	6.8	19.1	10.1	4.6	19.4	8.8	31.9	68.7	100.6

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.7	22.5	38.0	52.8	70.4	101.0	145.1	196.0				31.5	133.9	43.5
IIIA	10.7	22.8	36.4	52.8	73.7	106.8	149.1	229.0		387.7		31.2	189.3	60.9
IIIB	14.3	22.5	44.3	52.0	80.0							31.0		31.0
IIIC	19.0		43.5									34.0		34.0
II + III	10.9	22.0	38.7	52.6	69.9	103.9	130.7	218.5	297.4	430.7	689.3	38.3	213.3	98.8
III	11.3	22.3	37.6	52.9	73.1	101.5	149.1	202.0	279.0	387.7	930.0	32.4	206.2	76.4

2200 - 0600 (32877 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	110	91	47	28	22	19	13	6	2			298	40	338
IIIA	42	47	24	16	13	13	7	4	1			144	25	169
IIIB	10	10	11	4	10	4	1	2	1			45	8	53
IIIC	1	1	1						1			3	1	4
II + III	35	54	42	23	30	28	36	19	12	3	2	184	100	284
III	30	33	29	15	20	24	9	5	4			127	42	169

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	19.9	36.6	30.2	24.7	27.1	31.9	31.7	20.2	8.7			136.6	92.4	228.9
IIIA	8.2	19.0	15.3	14.3	18.8	22.6	18.2	14.2	4.2			74.3	57.3	130.5
IIIB	2.1	4.0	7.2	3.7	12.0	6.6	2.2	6.4	4.7			29.1	19.9	50.3
IIIC	.2	.4	.7						4.4			1.1	4.4	4.2
II + III	6.4	20.2	26.7	20.3	37.9	48.3	86.1	67.1	61.2	19.3	17.0	111.3	299.0	410.4
III	5.7	19.3	18.3	13.6	24.7	41.4	21.1	17.3	19.8			79.5	99.3	178.8

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	10.8	22.8	38.6	53.0	74.0	100.7	146.1	201.8	259.5			27.3	138.0	40.6
IIIA	11.7	24.2	38.3	53.5	78.1	104.4	139.0	219.5	252.0			31.0	197.4	46.3
IIIB	12.8	23.9	39.1	55.8	71.7	98.3	132.0	193.0	280.0			30.8	148.9	97.0
IIIC	12.0	21.5	42.0						266.0			21.8	266.0	62.5
II + III	11.0	22.4	38.1	52.9	75.7	103.3	143.4	211.8	306.0	386.7	910.0	28.3	179.4	66.7
III	11.3	24.2	37.6	54.2	74.2	103.4	140.7	207.2	296.8			33.7	142.1	62.1

ALL (87672 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	262	199	106	57	53	28	21	11	3			673	63	738
IIIA	110	110	48	28	35	27	16	7	1	3		331	56	387
IIIB	27	28	23	9	15	7	1	3	1			102	12	114
IIIC	3	1	2						1			6	1	7
II + III	95	109	90	52	73	54	65	31	29	6	6	419	185	604
III	78	82	53	31	44	45	21	12	6	3	1	288	88	376

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	43.3	79.4	65.9	50.4	64.3	47.4	80.9	37.3	13.3			299.3	148.8	448.1	444.40
IIIA	20.2	43.2	30.1	24.8	43.0	47.4	45.3	24.4	4.2	19.4		160.4	138.9	298.0	
IIIB	5.6	11.2	14.9	8.1	18.1	11.6	2.2	9.3	4.7			57.8	27.9	87.6	
IIIC	.5	.4	1.5						4.4			2.3	4.4	4.9	
II + III	16.4	41.2	37.9	46.3	89.6	93.9	139.0	108.9	114.4	40.9	86.8	251.4	588.3	854.9	
III	14.9	32.0	33.0	27.7	52.9	77.6	30.1	40.0	80.0	19.4	8.8	161.0	228.6	389.8	

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.9	22.7	38.0	53.0	72.8	101.3	145.3	203.5	265.3			28.6	141.7	36.4
IIIA	11.0	23.6	37.6	53.2	73.7	105.3	145.0	209.1	232.0	387.7		29.1	148.8	46.2
IIIB	12.3	23.9	38.9	54.1	72.5	99.3	132.0	189.3	280.0			34.8	139.6	46.1
IIIC	9.8	21.5	43.5						266.0			23.0	266.0	41.7	
II + III	10.4	22.7	38.6	53.4	73.6	103.9	144.8	210.8	298.3	408.7	668.0	30.0	189.2	82.9	
III	11.1	23.4	37.3	53.6	73.5	103.4	143.0	199.9	299.3	387.7	930.0	33.3	194.8	81.7	

ANCHORAGE, INTERNATIONAL

TABLE XV - TEMPERATURE < 33 DEGREES (F), WITH FOG, NO PRECIPITATION, AND WIND 9-12 KNOTS.

0700 - 1300 (23971 OBSERVATION HOURS) JANUARY 1956 - DECEMBER 1969

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	3	1										4		4	
IIIA	1											1		1	
IIIB															
IIIC															
II + III	3	1										4		4	
III															

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	.3	.3										.6		.6	
IIIA	.1											.1		.1	
IIIB															
IIIC															
II + III	.3	.3										.6		.6	
III															

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	9.7	18.0										8.8		8.8	
IIIA	7.0											7.0		7.0	
IIIB															
IIIC															
II + III	9.7	18.0										8.8		8.8	
III															

1400 - 2100 (29824 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	1											1		1	
IIIA	1											1		1	
IIIB															
IIIC															
II + III	1											1		1	
III															

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	.1											.1		.1	
IIIA	.1											.1		.1	
IIIB															
IIIC															
II + III	.1											.1		.1	
III															

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	5.0											5.0		5.0	
IIIA	5.0											5.0		5.0	
IIIB															
IIIC															
II + III	5.0											5.0		5.0	
III															

2200 - 0600 (32877 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	1		1									2		2	
IIIA	1											1		1	
IIIB															
IIIC															
II + III	1		1									2		2	
III															

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	.1		.5									.6		.6	
IIIA	.1											.1		.1	
IIIB															
IIIC															
II + III	.1		.5									.6		.6	
III															

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	7.0		31.0									19.0		19.0	
IIIA	7.0											7.0		7.0	
IIIB															
IIIC															
II + III	7.0		31.0									19.0		19.0	
III															

ALL (87672 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	5	1	1									7		7	
IIIA	1											1		1	
IIIB															
IIIC															
II + III	5	1	1									7		7	
III															

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES															
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL		
II	.5	.3	.5									1.3		1.3	1.20	
IIIA	.1											.1		.1		
IIIB																
IIIC																
II + III	.5	.3	.5									1.3		1.3		
III																

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	9.8	18.0	31.0									11.1		11.1	
IIIA	6.0											6.0		6.0	
IIIB															
IIIC															
II + III	9.8	18.0	31.0									11.1		11.1	
III															

ANCHORAGE, INTERNATIONAL

TABLE XVI - TEMPERATURE < 29 DEGREES (F).

0700 - 1300 (25971 OBSERVATION HOURS) JANUARY 1956 - DECEMBER 1965

FREQUENCY OF OCCURRENCE

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	140	74	36	13	15	2	5	1	1			276	7	283
IIIA	50	46	20	7	9	8	5	2				132	15	147
IIIB	12	13	8	3	2	1	1	1				38	3	41
IIIC	2		1									3		3
II + III	99	40	26	16	23	13	17	8	5		1	164	44	208
III	32	33	19	10	14	14	5	4	1			108	24	132

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	22.1	27.6	21.2	11.6	18.1	3.5	6.5	3.9	4.6			100.5	18.5	119.0
IIIA	8.7	17.7	12.4	6.2	10.4	14.0	12.0	6.5				54.3	32.5	85.2
IIIB	2.1	5.5	4.8	2.7	2.4	1.7	2.8	9.0				17.7	7.5	25.2
IIIC	.2		.8									.7		.7
II + III	10.0	15.3	16.9	14.7	27.5	22.6	41.2	27.3	23.8		19.3	84.5	129.9	214.4
III	6.0	12.8	11.7	9.0	16.7	24.4	12.7	12.6	5.6			98.1	33.3	131.4

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.9	22.3	37.4	53.5	72.3	104.0	130.7	239.0	277.0			21.8	198.6	29.2
IIIA	10.4	29.0	37.2	53.4	69.0	105.3	144.0	193.5				24.7	129.9	34.8
IIIB	10.4	29.2	39.9	53.3	73.0	102.0	167.0	182.0				27.9	190.3	30.9
IIIC	8.0		49.0									14.4		14.4
II + III	10.2	22.9	39.1	53.1	71.8	104.4	149.8	204.8	282.0		920.0	30.9	177.8	41.8
III	11.2	23.8	37.0	54.0	71.4	104.9	132.0	189.3	339.0			31.2	198.1	90.6

1600 - 2100 (20224 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	43	47	25	14	15	7	6	2	1			146	16	162
IIIA	20	20	11	7	6	6	8	1		3		64	18	82
IIIB	8	8	4	2	2							22		22
IIIC	1		1									2		2
II + III	27	25	24	13	14	12	14	6	3	4	3	103	44	147
III	20	16	11	6	5	4	9	3	1	3	1	58	21	79

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	7.0	18.0	15.6	12.5	17.4	11.6	14.3	6.7	9.9			70.4	38.1	108.5
IIIA	3.6	7.7	6.8	6.3	7.4	10.5	20.9	9.7		19.4		31.0	53.0	84.0
IIIB	2.0	2.3	3.0	1.7	2.7							11.4		11.4
IIIC	.3		.7									1.1		1.1
II + III	4.7	9.5	15.3	11.5	15.7	20.9	34.4	21.0	24.8	29.3	35.9	96.6	106.3	222.9
III	3.9	5.9	7.0	5.4	8.0	8.8	22.0	10.1	4.8	19.4	8.8	28.1	71.7	99.8

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.4	23.0	37.4	53.4	69.3	99.7	143.0	200.0	327.0			28.9	142.7	40.2
IIIA	10.7	23.2	37.1	53.7	73.8	104.7	152.3	223.0		387.7		29.1	179.6	61.9
IIIB	14.9	22.5	44.3	52.0	80.0							31.1		31.1
IIIC	18.0		43.5									34.0		34.0
II + III	10.4	22.8	38.1	53.9	67.2	104.7	147.4	210.3	297.4	438.8	717.7	33.0	226.8	91.0
III	11.7	22.3	38.2	53.5	71.4	101.9	146.6	202.0	279.0	387.7	930.0	29.1	204.7	79.8

2200 - 0600 (32877 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	123	93	56	28	22	17	14	5	2			324	38	362
IIIA	44	46	24	17	17	13	8	6	1			148	28	176
IIIB	12	9	9	5	10	4	1	2	1			45	8	53
IIIC	1	1	1						1			3	1	4
II + III	33	34	40	22	35	24	36	19	13	9	1	186	98	284
III	33	33	28	19	21	23	10	7	4			130	44	174

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	21.8	36.0	33.7	24.9	26.5	26.7	33.3	10.5	8.3			144.8	86.9	231.7
IIIA	8.3	18.6	19.2	15.3	21.5	22.9	18.2	21.3	4.2			78.3	66.0	141.7
IIIB	2.6	3.6	5.9	4.6	12.0	6.6	2.2	6.8	4.7			28.8	20.2	49.9
IIIC	.2	.4	.7						4.4			1.1	4.6	4.7
II + III	6.3	20.0	29.4	19.3	43.4	41.4	86.3	66.9	65.3	34.1	8.9	114.6	302.7	417.2
III	6.0	13.2	17.3	13.7	26.2	39.6	23.4	24.7	19.8			78.6	107.9	186.1

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	10.6	22.7	38.2	53.3	72.2	101.1	142.5	198.4	255.0			26.8	197.3	38.4
IIIA	11.4	24.2	38.0	54.3	75.9	103.6	136.1	213.0	232.0			31.7	141.8	48.3
IIIB	12.8	24.1	39.6	55.2	71.7	98.3	132.0	204.0	280.0			38.4	191.6	56.5
IIIC	12.0	23.0	42.0						286.0			22.3	286.0	71.8
II + III	10.8	22.2	38.0	53.2	74.4	103.4	142.8	211.2	302.3	409.6	911.0	27.8	183.3	86.1
III	10.9	24.0	37.3	54.9	75.0	103.3	140.3	211.7	296.8			28.4	146.8	63.9

ALL (87672 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	306	216	115	55	52	26	25	8	4			746	61	807
IIIA	114	111	55	30	30	26	20	9	1	3		338	59	397
IIIB	32	20	22	10	14	5	2	3	1			106	11	117
IIIC	4	1	2						1			7	1	8
II + III	121	119	90	51	72	49	67	33	25	9	3	493	186	679
III	85	82	58	31	40	41	24	14	6	3	1	296	89	385

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	90.9	81.6	72.4	48.9	61.9	43.8	36.1	27.1	18.6			315.7	143.9	459.2	434.20
IIIA	20.6	43.6	33.2	27.1	37.0	45.3	48.4	31.9	4.2	19.4		161.0	148.6	309.1	
IIIB	6.7	11.3	14.4	9.0	17.1	8.3	5.0	9.8	4.7			58.4	27.7	87.7	
IIIC	.6	.4	1.5						4.4			2.6	4.4	5.5	
II + III	21.0	44.8	37.5	43.7	86.6	84.9	161.8	118.2	113.0	63.4	39.7	253.6	398.9	834.5	
III	15.8	31.9	36.2	28.1	48.9	70.8	58.0	47.4	30.0	19.4	8.8	180.9	234.4	393.3	

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.9	22.7	37.8	53.3	71.4	101.0	141.1	209.1	278.5			29.4	141.1	34.1
IIIA	10.8	23.6	37.6	54.2	74.0	104.5	149.1	209.8	252.0	387.7		28.6	191.1	46.6
IIIB	12.5	24.3	39.3	54.0	73.1	99.0	149.5	196.7	280.0			33.0	191.3	49.0
IIIC	9.4	23.0	42.5						286.0			21.9	286.0	40.7
II + III	10.4	22.6	38.4	53.7	72.2	104.0	144.9	209.5	296.8	422.6	716.8	33.9	193.2	80.2
III	11.2	23.4	37.5	54.3	73.3	103.6	149.1	203.2	299.9	387.7	930.0	32.6	158.0	61.6

ANCHORAGE, INTERNATIONAL

TABLE XVII - TEMPERATURE < 29 DEGREES (F), WITH FOG, NO PRECIPITATION, AND WIND < 9 KNOTS.

0700 - 1300 (23971 OBSERVATION HOURS) JANUARY 1956 - DECEMBER 1965

FREQUENCY OF OCCURRENCE

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	116	64	32	10	11	2	1	1	1			233	5	238
IIIA	43	45	17	5	7	9	4	2				119	15	134
IIIB	8	12	7	3	2	2		1				32	3	35
IIIC	2		1									3		3
II + III	45	33	26	14	20	12	13	6	4		1	150	24	174
III	29	34	15	9	11	14	4	4	1			98	23	121

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	17.8	24.2	20.1	8.8	13.4	3.7	2.3	3.9	4.6			86.3	14.3	98.6
IIIA	7.9	17.4	10.3	4.4	8.1	16.0	9.9	6.5				47.1	32.4	78.1
IIIB	1.3	4.9	4.1	2.7	2.4	3.9		3.0				15.5	6.4	21.9
IIIC	.2		.8									.8		.8
II + III	7.4	13.0	17.1	13.0	24.6	20.9	32.8	20.0	19.4		15.9	75.0	108.4	183.4
III	5.2	13.1	9.1	8.0	13.3	24.2	9.9	12.4	5.6			48.7	92.3	101.0

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.2	22.7	37.6	53.0	73.2	111.0	137.0	223.0	277.0			21.7	173.8	24.9
IIIA	10.5	23.1	37.1	52.4	69.1	106.9	148.3	193.5				23.7	129.5	34.9
IIIB	9.8	24.6	34.7	53.3	73.0	99.5		182.0				29.1	127.0	37.5
IIIC	6.7		45.0									16.3		16.3
II + III	9.9	23.6	39.5	55.5	73.7	104.7	151.2	200.0	290.8		920.0	22.6	180.7	43.2
III	10.8	23.1	36.3	53.3	72.4	103.8	148.3	189.3	335.0			29.8	196.4	90.1

1400 - 2100 (29924 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	28	44	20	14	14	7	6	3				120	16	136
IIIA	20	17	9	7	8	5	7	1		3		61	16	77
IIIB	8	6	4	2	2							22		22
IIIC	1		1									2		2
II + III	13	24	18	13	16	12	13	7	4	3	3	84	45	129
III	19	14	9	6	8	3	8	3	1	3	1	56	19	75

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	4.4	16.5	12.6	12.4	16.5	11.8	14.3	9.8				62.4	35.9	98.3
IIIA	3.3	6.4	5.5	6.2	10.1	8.9	17.4	8.7		19.4		30.9	49.6	80.5
IIIB	2.0	2.3	3.0	1.7	2.7							11.4		11.4
IIIC	.3		.7									1.1		1.1
II + III	2.3	8.9	11.0	11.4	18.8	22.5	37.9	25.0	20.2	21.5	34.5	92.9	161.1	214.0
III	3.6	9.1	5.8	5.4	10.0	9.1	19.1	10.1	4.6	19.4	8.8	29.6	67.1	96.7

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.5	22.5	37.9	53.0	70.9	101.0	143.0	196.0				21.2	134.6	43.4
IIIA	10.4	22.5	36.4	53.4	75.6	106.8	149.1	223.0		387.7		20.4	169.3	62.6
IIIB	14.9	22.5	44.3	52.0	80.0							21.1		21.1
IIIC	13.0		43.5									24.0		24.0
II + III	10.7	22.2	38.0	52.8	70.6	103.7	149.9	214.1	302.3	430.7	689.5	27.8	214.8	99.5
III	11.3	21.7	37.0	53.3	74.8	102.9	149.1	202.0	279.8	387.7	930.0	31.7	211.9	77.8

2200 - 0600 (52077 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	186	87	43	27	18	16	11	4	1			201	32	313
IIIA	48	43	24	17	14	12	7	4	1			158	26	184
IIIB	10	9	10	4	10	4	1	2	1			43	8	51
IIIC	1	1	1						1			3	1	4
II + III	92	52	36	21	27	24	33	19	9	3	1	170	89	259
III	28	30	29	15	19	22	9	9	4			121	40	161

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	19.0	33.2	27.7	23.7	22.0	27.1	27.0	15.2	4.5			125.6	71.7	197.3
IIIA	7.8	17.4	15.3	15.3	17.7	20.6	16.2	14.2	4.2			72.5	53.3	126.6
IIIB	2.1	3.6	6.6	3.7	12.0	6.6	7.2	6.4	4.7			28.1	19.9	48.8
IIIC	.2	.4	.7						4.4			1.1	4.4	4.7
II + III	9.9	19.3	24.2	18.4	33.8	41.7	78.4	64.5	47.5	19.3	8.8	101.6	261.9	363.5
III	9.3	12.0	18.3	13.7	23.7	37.8	21.1	17.3	19.8			72.9	93.9	166.8

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	10.0	22.9	38.7	52.7	73.2	101.6	147.0	197.8	269.0			26.8	134.5	37.8
IIIA	11.7	24.3	38.3	55.9	76.0	103.1	139.0	215.5	252.0			31.5	138.2	46.9
IIIB	12.8	24.1	39.3	55.8	71.7	98.3	132.0	193.0	280.0			39.3	148.9	57.4
IIIC	12.0	23.0	42.0						266.0			22.5	266.0	71.0
II + III	11.1	22.2	38.2	52.6	73.2	104.2	148.9	209.9	316.4	386.7	911.0	35.9	179.5	84.2
III	11.3	24.0	37.8	54.7	74.8	103.0	140.7	207.2	296.8			36.1	143.9	62.9

ALL (87672 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	350	195	95	51	43	25	18	8	2			654	33	687
IIIA	104	104	47	28	27	29	19	7	1	3		311	54	365
IIIB	27	27	22	9	14	6	1	3	1			99	11	110
IIIC	3	1	2						1			6	1	7
II + III	90	109	61	48	63	49	61	32	17	6	3	392	170	562
III	76	78	53	30	38	39	21	12	6	3	1	278	82	357

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	41.2	73.9	60.4	44.9	51.9	42.6	43.3	26.9	9.1			272.3	122.1	394.4	399.00
IIIA	19.0	40.8	30.1	25.0	33.6	43.6	43.9	24.4	4.2	19.4		147.5	135.1	281.3	
IIIB	5.6	10.8	14.3	8.1	17.1	9.9	2.2	9.5	4.7			95.8	26.2	82.7	
IIIC	.5	.4	1.5						4.4			2.3	4.4	9.1	
II + III	19.6	41.1	52.9	42.7	77.2	85.1	48.6	111.5	87.0	48.9	38.3	220.5	391.3	760.8	
III	14.1	30.2	33.0	27.0	40.9	67.1	30.1	40.0	30.0	19.4	8.8	191.1	218.3	366.9	

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

TIME IN MINUTES

CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.9	22.7	38.1	52.8	72.4	102.2	149.1	201.5	273.0			25.8	130.2	34.4
IIIA	10.9	23.5	37.6	53.6	74.8	104.6	145.0	209.1	252.0	387.7		28.5	150.1	46.2
IIIB	12.4	24.0	39.0	54.1	73.1	98.7	132.0	189.5	280.0			33.8	148.9	45.7
IIIC	9.8	23.0	42.5						266.0			22.3	266.0	65.3	
II + III	10.4	22.8	38.7	53.4	73.5	104.2	146.2	209.0	307.1	408.7	699.8	35.1	187.3	81.2	
III	11.1	23.2	37.3	54.0	74.1	103.5	143.0	199.9	299.5	387.7	930.0	33.0	187.6	61.6	

ANCHORAGE, INTERNATIONAL

TABLE XVIII- TEMPERATURE < 29 DEGREES (F), WITH FOG, NO PRECIPITATION, AND WIND 9-12 KNOTS.

0700 - 1300 (25971 OBSERVATION HOURS) JANUARY 1956 - DECEMBER 1965

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	3											3		3
IIIA	1											1		1
IIIB														
IIIC														
II + III	3											3		3
III														

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	.3											.3		.3
IIIA	.1											.1		.1
IIIB														
IIIC														
II + III	.3											.3		.3
III														

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	5.7											5.7		5.7
IIIA	7.0											7.0		7.0
IIIB														
IIIC														
II + III	5.7											5.7		5.7
III														

1400 - 2100 (29224 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	1											1		1
IIIA	1											1		1
IIIB														
IIIC														
II + III	1											1		1
III														

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	.1											.1		.1
IIIA	.1											.1		.1
IIIB														
IIIC														
II + III	.1											.1		.1
III														

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	5.0											5.0		5.0
IIIA	5.0											5.0		5.0
IIIB														
IIIC														
II + III	5.0											5.0		5.0
III														

2200 - 0600 (32877 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II			1									1		1
IIIA														
IIIB														
IIIC														
II + III			1									1		1
III														

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II			.5									.5		.5
IIIA														
IIIB														
IIIC														
II + III			.5									.5		.5
III														

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II			31.0									31.0		31.0
IIIA														
IIIB														
IIIC														
II + III			31.0									31.0		31.0
III														

ALL (97672 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	4		1									5		5
IIIA	1											1		1
IIIB														
IIIC														
II + III	4		1									5		5
III														

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	.4		.5									.9		.9	.00
IIIA	.1											.1		.1	
IIIB															
IIIC															
II + III	.4		.5									.9		.9	
III															

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES												
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.3		31.0									10.8		10.8
IIIA	6.0											6.0		6.0
IIIB														
IIIC														
II + III	9.9		31.0									10.8		10.8
III														

ANCHORAGE, INTERNATIONAL

TABLE XIX - TEMPERATURE > 32 DEGREES (F).

0700 - 1900 (25971 OBSERVATION HOURS) JANUARY 1956 - DECEMBER 1965

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	19	19	9	2	2	1				1		91	2	93
IIIA	6	5		2	1							14		14
IIIB		1	3									4		4
IIIC														
II + III	12	13	5	2	6		1			1		38	2	40
III	4	3	1	1	2	1						11	1	12

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	3.1	7.9	5.4	1.8	2.4	1.8				8.2		20.2	8.0	28.2
IIIA	1.0	1.8		1.9	1.4							6.1		6.1
IIIB		.4	1.9									2.3		2.3
IIIC														
II + III	2.1	5.0	3.2	1.8	7.2		3.0			7.7		19.2	10.7	29.9
III	.7	1.1	.5	1.0	2.4	1.8						5.7	1.6	7.3

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.8	23.8	36.0	53.0	72.5	106.0				372.0		23.8	239.0	31.9
IIIA	10.0	21.6		38.0	81.0							26.1		26.1
IIIB		25.0	37.3									34.3		34.3
IIIC														
II + III	10.6	23.2	38.4	48.5	72.0		179.0			462.0		30.3	320.5	44.8
III	10.0	21.7	31.0	60.0	72.0	97.0						30.9	97.0	36.4

1400 - 2100 (20224 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	6	7	1	1	1	3	1	2	1			16	7	23
IIIA	5				1		1					6	1	7
IIIB	1	1										2		2
IIIC														
II + III	5	5			1	4	1	1	1	1		11	8	19
III	2				1							3		3

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	.9	2.8	.7	1.0	1.3	5.4	2.4	7.1	4.4			6.4	19.2	25.6
IIIA	.9				1.2		2.4					2.1	2.4	4.5
IIIB	.1	.3										.9		.9
IIIC														
II + III	.8	1.9			1.3	6.9	2.4	4.0	4.6	7.4		4.0	25.3	29.3
III	.3				1.2							1.5		1.5

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.0	22.3	40.0	57.0	75.0	107.0	149.0	213.5	262.0			23.9	164.7	66.7
IIIA	10.8				73.0		148.0					21.2	148.0	38.7
IIIB	8.0	19.0										13.5		13.5
IIIC														
II + III	10.0	23.0			75.0	103.3	149.0	238.0	278.0	446.0		21.8	189.8	92.5
III	8.3				73.0							30.0		30.0

2200 - 0600 (32877 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	33	27	14	8	6	1	5	1	1			88	8	96
IIIA	14	14	2	8	2	2	3	1				40	6	46
IIIB	2	2	2	1	1	2						6	2	10
IIIC		1										1		1
II + III	17	17	11	8	10	5	12	6	2			63	25	88
III	11	10	3	8	2	4	5	1				34	10	44

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	6.2	11.0	8.7	7.1	7.0	1.8	11.4	9.2	4.4			39.9	20.8	60.7
IIIA	2.7	5.3	1.3	7.1	2.5	3.2	7.3	3.5				19.0	14.0	33.0
IIIB	.5	.6	1.1	.8	1.5	3.7						4.3	3.7	8.2
IIIC		.3										.3		.3
II + III	3.0	6.5	6.9	7.2	11.8	9.0	30.3	20.1	8.9			55.5	48.3	103.8
III	2.1	3.8	2.0	6.8	2.6	6.7	12.4	3.5				17.2	22.3	39.7

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	11.2	24.4	37.1	51.3	69.8	105.0	137.0	189.0	266.0			27.2	153.6	37.9
IIIA	11.4	23.4	40.0	51.3	74.0	95.5	148.3	208.0				28.5	139.7	41.9
IIIB	15.0	16.5	33.5	48.0	89.0	111.5						33.4	111.5	49.0
IIIC		30.0										30.0		30.0
II + III	10.7	23.1	37.8	54.1	70.5	108.4	151.5	201.0	266.0			33.8	163.9	70.8
III	11.3	22.7	39.3	50.9	77.5	99.8	148.8	208.0				30.3	139.1	94.1

ALL (87672 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	98	93	34	11	9	5	6	3	2	1		155	17	172
IIIA	23	18	2	10	4	2	3	1				57	6	63
IIIB	3	4	5	1	1	2						14	2	16
IIIC		1										1		1
II + III	34	33	10	10	17	9	14	7	3	2		112	35	147
III	17	13	4	9	5	5	3	1				48	11	59

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	10.2	21.1	14.7	9.9	10.7	8.9	13.8	10.3	8.8	8.2		66.3	47.9	114.4	112.1*
IIIA	4.2	8.9	1.3	9.1	5.0	3.2	7.4	3.5				28.6	14.1	39.4	
IIIB	.6	1.3	3.0	.8	1.5	3.7						7.2	3.7	10.9	
IIIC		.5										.5		.5	
II + III	6.0	13.5	10.1	8.8	20.2	15.9	39.7	24.1	13.9	19.1		98.6	104.3	162.9	
III	3.0	4.9	2.5	7.8	6.2	8.3	12.4	3.5				24.4	24.1	48.5	

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	10.5	23.9	36.8	53.7	71.0	106.4	138.0	205.3	264.0	372.0		25.7	169.2	39.9
IIIA	11.0	23.0	40.0	54.4	75.5	95.5	148.7	208.0				27.8	140.8	37.3
IIIB	12.7	19.3	35.8	48.0	89.0	111.5						30.8	111.5	40.9	
IIIC		30.0										30.0		30.0	
II + III	10.6	23.1	38.0	53.0	71.3	106.1	152.9	206.3	270.0	454.0		31.4	178.8	66.5	
III	10.6	22.5	37.3	51.9	74.4	99.2	148.8	208.0				30.4	131.0	49.3	

ANCHORAGE, INTERNATIONAL

TABLE XX - TEMPERATURE > 32 DEGREES (F), WITH FOG, NO PRECIPITATION, AND WIND < 9 KNOTS.

0700 - 1300 (25971 OBSERVATION HOURS) JANUARY 1956 - DECEMBER 1965

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	14	16	6	1	1	2	1					38	3	41
IIIA	6	5		2	1							14		14
IIIB		1	2									3		3
IIIC														
II + III	8	11	2	2	3	1	1	1				26	3	29
III	4	3	1	1	1	1						10	1	11

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	2.2	6.3	3.6	1.0	1.0	3.5	2.5					14.2	6.0	20.2
IIIA	1.0	1.8		1.9	1.4							6.1		6.1
IIIB		.4	1.2									1.6		1.6
IIIC														
II + III	1.4	4.2	1.3	1.9	3.2	1.7	3.0	4.0				11.9	8.7	20.6
III	.7	1.1	.5	1.0	1.4	1.6						4.6	1.6	6.2

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.5	23.8	36.3	60.0	61.0	105.0	150.0					22.4	120.0	29.6
IIIA	10.0	21.6		58.0	81.0							26.1		26.1
IIIB		25.0	35.5									32.0		32.0
IIIC														
II + III	10.5	23.1	38.0	59.5	63.3	104.0	179.0	240.0				27.5	174.3	42.7
III	10.0	21.7	31.0	60.0	61.0	97.0						27.7	97.0	34.0

1400 - 2100 (29224 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	4	6	1	1	1	3	1	2	1			13	7	20
IIIA	3				1		1					4	1	5
IIIB	1	1										2		2
IIIC														
II + III	5	4			1	4	1	1	2			10	3	18
III	2				1							3		3

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	.5	2.3	.7	1.0	1.3	5.4	2.4	7.0	4.4			5.7	19.1	24.8
IIIA	.6				1.2		2.4					1.8	2.4	4.2
IIIB	.1	.3										.5		.5
IIIC														
II + III	.7	1.6			1.3	6.9	2.4	3.8	9.6			3.6	22.7	26.3
III	.3				1.2							1.5		1.5

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	8.0	23.2	40.0	57.0	73.0	107.0	143.0	209.5	262.0			26.4	163.6	74.4
IIIA	11.0				73.0		149.0					26.9	143.0	50.0
IIIB	8.0	19.0										13.5		13.5
IIIC														
II + III	8.0	24.5			73.0	103.3	143.0	230.0	289.0			21.3	170.5	87.6
III	9.0				73.0							30.3		30.3

2200 - 0600 (32877 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	34	22	12	8	6	1	5		1			82	7	89
IIIA	14	14	3	7	2	2	3	1				40	6	46
IIIB	2	2	2	1	1	2						8	2	10
IIIC		1										1		1
II + III	18	12	9	8	12	9	12	9	2			90	24	83
III	11	10	4	7	2	4	3	1				34	10	44

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	6.3	8.9	7.4	7.1	6.7	1.8	11.6		4.4			38.4	17.9	56.3
IIIA	2.7	5.5	2.0	6.3	2.5	3.2	7.3	3.3				18.6	14.0	31.6
IIIB	.5	.6	1.1	.8	1.3	3.7						4.3	3.7	8.2
IIIC		.5										.5		.5
II + III	3.2	4.5	5.6	7.2	14.3	9.1	29.9	17.0	8.9			34.8	66.9	99.6
III	2.1	3.8	2.6	6.0	2.6	6.7	12.4	3.3				17.0	22.3	39.3

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	11.1	24.4	36.8	53.5	67.3	110.0	139.2		266.0			26.7	133.1	36.6
IIIA	11.4	23.4	39.7	54.0	74.0	95.5	146.3	200.0				27.9	139.7	41.2
IIIB	15.0	16.5	33.5	48.0	89.0	111.5						33.4	111.5	49.0
IIIC		30.0										30.0		30.0
II + III	10.5	22.4	37.8	54.1	71.4	109.4	149.7	203.4	266.0			33.4	162.2	72.0
III	11.3	22.7	39.0	51.0	77.5	99.8	148.8	200.0				30.0	139.1	53.9

ALL (87672 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	52	44	19	10	8	6	7	2	2			133	17	150
IIIA	21	18	3	9	4	2	3	1				55	6	61
IIIB	3	4	4	1	1	2						13	2	15
IIIC		1										1		1
II + III	31	27	11	10	10	10	14	7	4			93	33	130
III	17	13	5	8	4	8	5	1				47	11	58

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	9.0	17.6	11.7	9.1	9.0	10.7	10.5	7.0	8.8			56.4	43.0	99.3
IIIA	3.9	6.9	2.0	8.2	5.0	5.2	7.4	3.3				23.7	14.1	38.8
IIIB	.6	1.3	2.3	.8	1.5	3.7						6.3	3.7	10.2
IIIC		.5										.5		.5
II + III	5.2	10.4	6.9	9.1	18.7	17.7	39.9	24.8	18.9			50.2	98.3	148.6
III	3.0	4.9	3.1	7.0	5.2	8.9	12.4	3.3				23.1	24.1	47.3

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES													
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL
II	10.4	24.0	36.8	54.5	67.5	100.8	141.3	209.5	264.0			23.4	151.6	39.7
IIIA	11.0	22.9	39.7	54.9	73.5	99.5	148.7	200.0				28.0	148.8	38.2
IIIB	12.7	19.3	34.5	48.0	89.0	111.5						30.8	111.5	40.9
IIIC		30.0										30.0		30.0
II + III	10.1	23.0	37.6	54.4	70.1	106.4	151.9	212.4	277.9			31.7	169.1	67.6
III	10.7	22.5	37.4	52.1	77.3	99.2	148.8	200.0				29.3	151.6	48.9

ANCHORAGE, INTERNATIONAL

TABLE XXI - TEMPERATURE > 32 DEGREES (F), WITH FOG, NO PRECIPITATION, AND WIND 9-12 KNOTS.

0700 - 1400 (25571 OBSERVATION HOURS) JANUARY 1956 - DECEMBER 1965

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II		2		2								4		4	
IIIA															
IIIB															
IIIC															
II + III		2		2								4		4	
III															

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	.5		1.0									1.5		1.5	
IIIA															
IIIB															
IIIC															
II + III	.5		1.0									1.5		1.5	
III															

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	15.0		31.0									23.0		23.0	
IIIA															
IIIB															
IIIC															
II + III	15.0		31.0									23.0		23.0	
III															

1400 - 2100 (29224 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II		1										1		1	
IIIA															
IIIB															
IIIC															
II + III		1										1		1	
III															

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II		.9										.9		.9	
IIIA															
IIIB															
IIIC															
II + III		.9										.9		.9	
III															

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	15.0											15.0		15.0	
IIIA															
IIIB															
IIIC															
II + III	15.0											15.0		15.0	
III															

2200 - 0600 (12877 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II			1									1		1	
IIIA	1											1		1	
IIIB															
IIIC															
II + III				1								1		1	
III	1											1		1	

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II		.4										.4		.4	
IIIA	.2											.2		.2	
IIIB															
IIIC															
II + III			.6									.6		.6	
III	.2											.2		.2	

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II		24.0										24.0		24.0	
IIIA	12.0											12.0		12.0	
IIIB															
IIIC															
II + III			36.0									36.0		36.0	
III	12.0											12.0		12.0	

ALL (87672 OBSERVATION HOURS)

FREQUENCY OF OCCURRENCE

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II		3	1	2								6		6	
IIIA		1										1		1	
IIIB															
IIIC															
II + III		3		3								6		6	
III		1										1		1	

TOTAL TIME IN EACH DURATION HOURS AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	.6	.4	1.0									2.2		2.2	2.2*
IIIA	.2											.2		.2	
IIIB															
IIIC															
II + III	.8		1.6									2.4		2.4	
III	.2											.2		.2	

AVERAGE TIME IN EACH DURATION MINUTES AND TENTHS

	TIME IN MINUTES														
CATEGORY	1-15	16-30	31-45	46-60	61-90	91-120	121-180	181-240	241-360	361-480	481+	1-90	91-ALL	1-ALL	
II	15.0	24.0	91.0									21.8		21.8	
IIIA	12.0											12.0		12.0	
IIIB															
IIIC															
II + III	15.0		92.7									23.8		23.8	
III	12.0											12.0		12.0	